


Title (en)
HIGH EFFICIENCY POLYMERIZATION CATALYST COMPONENT FOR USE IN THE POLYMERIZATION OF PROPYLENE AND HIGHER ALPHA-OLEFINS

Publication
EP 0149558 B1 19890315 (EN)

Application
EP 85300298 A 19850116

Priority
US 57105284 A 19840116

Abstract (en)
[origin: US4525467A] A aliphatic hydrocarbon soluble mixed aluminum hydrocarbyl-Lewis base co-catalyst composition comprising (i) at least two different classes of aluminum hydrocarbyls the first being an aluminum hydrocarbyl halide, the second being an aluminum hydrocarbyl hydride and/or aluminum trialkyl and (ii) at least one Lewis base represented by the formula:  wherein each Y can be -OR', -NR2' and R' with the proviso that at least two be -OR' or -NR2', Z is an alkylene radical forming a 5 or 6 membered ring with the carbonyldioxy group or Z is alkyl substituted alkylene group wherein the alkyl radical can have from 1 to 8 carbon atoms, R is an aryl, allyl or alkyl group having 1 to 20 carbon atoms and R' is an alkyl, cycloalkyl, aryl or aralkyl radical having from 1 to 20 carbon atoms. The co-catalyst is employed with a titanium halide catalyst for the polymerization of olefins to obtain a advantageous balance of catalytic activity and polymer product stereoregularity.

IPC 1-7
C08F 10/00; **C08F 4/64**

IPC 8 full level
C08F 4/00 (2006.01); **C08F 4/60** (2006.01); **C08F 4/62** (2006.01); **C08F 10/00** (2006.01); **C08F 10/06** (2006.01)

CPC (source: EP US)
C08F 10/00 (2013.01 - EP US)

Designated contracting state (EPC)
BE DE FR GB IT NL

DOCDB simple family (publication)
US 4525467 A 19850625; CA 1227182 A 19870922; DE 3568784 D1 19890420; EP 0149558 A2 19850724; EP 0149558 A3 19850814; EP 0149558 B1 19890315; JP S60161406 A 19850823

DOCDB simple family (application)
US 57105284 A 19840116; CA 470951 A 19841221; DE 3568784 T 19850116; EP 85300298 A 19850116; JP 562985 A 19850116